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Bacteria & Viruses

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|  |  |  | 11  C | O | 12  N | J | U | G | A | T | I | O | N |  | 13  L | Y | T | I | C | C | Y | C | L | E |  | E |  |  |  |
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|  |  |  |  |  | D |  | H |  | 19  M | U | T | A | T | I | O | N | S |  |  |  |  |  |  |  |  | G |  |  |  |
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| **Across**  **2.** Photosynthetic but still get organic compounds for carbon  **5.** Causes bacteria  **9.** Can live in extreme conditions  **11.** Formation or existence of a link or connection between things  **13.** Results in the destruction of the infected cell and it's membrane  **14.** Resist harsh conditions  **16.** Submicrophic, hairlike structure that are made of proteins  **19.** Permanent change in the DNA nitrogen base code  **20.** Division of a cell | **Down**  **1.** Viral DNA Inserts, or integrates, into a chromosome in a host cell  **3.** An organism deriving it's nutritional requirements from complex organic substances  **4.** Makes organic carbon molecules using energy from chemical reactions  **6.** Lacks a nucleus  **7.** Belongs to domain bacteria  **8.** Viruses that infect bacteria  **10.** Has RNA instead of DNA for their genetic material  **12.** Cicular chromosome in an area of the cell  **15.** Protein infectious particles  **17.** Outer protein coat of a virus  **18.** Nonliving strand of genetic material within a protein coat |